NDB - Installation Verification

This section provides example batch jobs and online methods for verifying the installation of the Natural interface to DB2:

- Test Batch NDB under CAF - Job NDBBATCA
- Test Batch NDB under DSN - Job NDBBATTB
- Test DSNMTV01 - Job NDBMTV01
- Online Verification Methods

Test Batch NDB under CAF - Job NDBBATCA

NDBBATCA contains sample JCL to test NDB in batch mode by using the CAF interface. Modify the sample JCL to meet site requirements.

Before the first SQL call you must call NATPLAN to explicitly allocate the plan. The plan name must be the same as the name used in Step 4 - Create NDB plan (Installation Procedure, Steps Common to all Environments). NATPLAN can be edited to specify the appropriate DB2 subsystem ID.

Test Batch NDB under DSN - Job NDBBATTB

NDBBATTB contains sample JCL to test NDB in batch mode by using the DSN command processor. Modify the sample JCL to meet site requirements.

The plan name must be the same as the name used in Step 4 - Create NDB plan (Installation Procedure, Steps Common to all Environments). For an explanation of the DSN and RUN commands, refer to the relevant IBM literature for DB2 TSO and batch users.

Test DSNMTV01 - Job NDBMTV01

NDBMTV01 contains a sample JCL to execute Natural by using the DB2 DL/I batch support. Modify the sample JCL to meet site requirements.

The plan name must be the same as the name used in Step 4 - Create NDB plan (Installation Procedure, Steps Common to all Environments).

Online Verification Methods

To verify the installation of the Natural interface to DB2 online, you can use either SQL Services or DEM2 example programs:

- Using SQL Services
- Using DEM2* Example Programs

Using SQL Services

To verify and check the NDB installation by using the SQL Services of the Natural SYSDDM utility

1. Invoke Natural.
2. Invoke SYSDDM.
3. On the SYSDDM main menu enter Function Code **B** to invoke the SQL Services function.

Enter Function Code **S** and specify SQL system DB2 to select all DB2 tables.
The communication between Natural and DB2 works if all existing DB2 tables are displayed.
For one of the tables, generate a Natural DDM as described in Generate DDM from an SQL Table (DDM Generation).

4. After you have generated a DDM, access the corresponding DB2 table with a simple Natural program:

Example:

```
FIND view-name WITH field = value
 DISPLAY field
LOOP
END
```

If you receive the message NAT3700, enter the Natural system command SQLERR to display the corresponding SQL return code. You can find the description of the SQLERR command in the section Natural System Commands for DB2 (Natural Tools for DB2).

Using DEM2* Example Programs

To verify and test your installation you can also use the example programs DEM2* in the Natural system library SYSDB2 provided on the installation tape.

Using these example programs, you can create a DB2 table by using DEM2CREA and create the corresponding DDM via SYSDDM. You can then store data in the created table by using DEM2STOR and retrieve data from the table by using DEM2FIND or DEM2SEL. You can also drop the table by using program DEM2DROP.

